AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 6

2. MODIFICATION NO.:	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	PROJECT NO. *(If applicable)*
0007	NOV 10, 2004	W81W3G-2035-7181	

6. ISSUED BY CODE CA31	7. ADMINISTERED BY: CODE E1P0100
Department of the Army Baltimore District, Corps of Engineers Contracting Division P.O. Box 1715 Baltimore MD 21203-1715	Contracting Division, Contracts Branch CENAB-CT-C 10 S. Howard ST. Room 7000 Baltimore, MD 21203-1715

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(x)	9A. AMENDMENT OF SOLICITATION NO.
	X	W912DR-04-R-0062
		9B. DATED *(SEE ITEM 11)* AUG 16, 2004
		10A. MODIFICATION OF CONTRACT/ ORDER NO.
		10B. DATED *(SEE ITEM 13)*

CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers **is extended**.

DATE OF RECEIPT OF PROPOSALS SEE BELOW

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning __1____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

☐	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER No. ITEM 10A
☐	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR43.103(b)
☐	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: changes clause FAR 52.243.1
☐	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor __ is not, __ is required to sign this document and return ____copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

GENERAL PURPOSE WAREHOUSE, BUILDING 732
DEFENSE DISTRIBUTION CENTER/DISTRIBUTION DEPOT SUSQUEHANNA PENNSYLVANIA (DDC/DDSP),
NEW CUMBERLAND, PENNSYLVANIA

SEE THE FOLLOWING PAGES

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR _____ *(signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ *(Signature of Contracting Officer)*	16C. DATE SIGNED

AMENDMENT NO. 0007 TO RFP W912DR-04-R-0062
EFFECTIVE NOV 10, 2004

AMENDMENTS:

1) Amendment 0002, Item 1: Delete price schedule reissued by Amendment 0002 and substitute the attached revised price schedule, dated Nov 08, 2004.

2) Amendment 0003, Item 2, Sheets C1.1.1, C1.1.1-A, C1.1.1-B, C1.1.1-C, C1.1.2, C1.1.2-A, C1.1.2-B, C1.1.2-C, C1.1.2-D, and C1.1.2-E: Delete these sheets in their entirety as reissued by Amendment 0003 and substitute the attached revised like-numbered sheets, dated 10/15/04.

SOLICITATION:

3) General: The time and date for receipt of proposals for this project is extended to 4:00 PM, local time, Dec 07, 2004. Revise Form 1442, Block 13a, of the Solicitation to reflect this change.

SPECIFICATIONS:

4) Section 11161: Delete this section in its entirety as originally issued and substitute the attached like-numbered section, dated Nov 08, 2004.

5) Section 02552A Paragraph 3.9: Delete this paragraph in its entirety.

6) Section 10505N, Paragraph 3.1: Immediately after this paragraph insert the following:

" 3.1.1 Handicapped Lockers

Assemble lockers indicated for use by the handicapped with the lowest shelf no lower than 230 mm above the adjacent finish floor, the top shelf no higher than 1220 mm above the adjacent finish floor, and a handle mechanism satisfying the requirements of the Americans with Disability Act (ADA)."

7) Section 11162:

a) Paragraph 2.1.2: Change "Height adjustments shall be divided 762 mm above and 762 mm below the finish floor level" to "Height adjustments shall be 1524 mm below the finish floor level."

b) Paragraph 2.1.4: Change "Minimum 9070 kilograms" to "Mini um 6800 kilograms".

c) Paragraph 2.5.2: Change "NEMA 12 Scale Console Display" to "NEMA 1 Scale Console Display".

AMENDMENT NO. 0007 TO RFP W912DR-04-R-0062
EFFECTIVE NOV 10, 2004

8) Section 13720:

a) Paragraph 1.2.1: Change the first sentence to “It shall provide LENEL ONGUARD/PROGUARD system for Microsoft Windows NT and Windows 2000 access control, alarm monitoring, ID card production, and personnel management into a single seamlessly integrated software solution.”

b) Paragraph 1.2.2:

1) Change the title to "Intelligent System Controller Lenel Systems #LNL-1000."

2) Change the fifth sentence to read "The ISC can store up to 175,000 cardholders and 1 million events.

3) Change the last sentence to read "Each device (LNL-1100, LNL-1200, LNL-1300 or LNL-1320) uses one device address."

c) Paragraph 1.2.3:

1) Change the title to "Single Reader Interface, Lenel Systems #LNL-1300".

2) Change the sixth sentence to read "Each SRI model is individually addressed or increased reporting capabilities with Proguard/Onguard software applications."

d) Paragraph 1.2.4:

1) Change the title to "Magnetic Card Access Readers, Lenel Systems # LNL-2005W".

2) Change the second sentence to read "The readers shall be treated with an anti-corrosion film and then coated with a tough abrasion resistant finish, with a beige textured finish."

9) Section16415A:

a) Paragraph 2.31: Immediately after this paragraph insert the following:

" 2.32 CABLE TRAYS

Cable tray shall conform to NEMA VE 1, shall form a wireway system, and shall be of nominal 75mm depth. Cables trays shall be constructed of aluminum. Trays shall include splice and end plates, dropouts, and miscellaneous hardware. Edges, fittings, and hardware shall be finished free

from burrs and sharp edges. Fittings shall have not less than the load-carrying ability of straight sections and shall have manufacturer's minimum standard radius. Radius of bends shall be 610mm.

2.32.1 Ladder

Ladder-type cable trays shall be of nominal 230mm width. Rung spacing shall be on 150mm centers."

b) Paragraph 3.2.1.9: Immediately after this paragraph insert the following:

"3.2.1.10 Cable Trays

Cable trays shall be supported in accordance with the recommendations of the manufacturer but at no more than 1830mm intervals. Contact surfaces of aluminum connections shall be coated with an antioxidant compound prior to assembly. Adjacent cable tray sections shall be bonded together by connector plates of an identical type as the cable tray sections. The Contractor shall submit the manufacturer's certification that the cable tray system meets all requirements of Article 392 of NFPA 70. The cable tray shall be installed and grounded in accordance with the provisions Article 392 of NFPA 70. Data submitted by the Contractor shall demonstrate that the completed cable tray systems will comply with the specified requirements. Cable trays shall terminate 250mm from both sides of smoke and fire partitions. Cables run through smoke and fire partitions shall be installed in 103mm rigid steel conduits with grounding bushings, extending 305mm beyond each side of the partitions. The installation shall be sealed to preserve the smoke and fire rating of the partitions. Penetrations shall be firestopped in accordance with Section 07840 FIRESTOPPING."

DRAWINGS:

10) Sheets G0.1.1, G0.1.2, C1.1.1, C1.1.2, C1.2.1, C1.2.2, C1.3.1, C1.3.2, C1.3.3, C1.3.3-B, C1.3.4, C1.3.4-C, C3.1.1, C3.3.1, A3.1.1, A3.1.4, A7.1.0, S1.1.2, S1.1.4, S1.1.6, S1.1.8, S5.1.1, M4.0.3, M5.0.3, M6.0.1, M6.0.2, P5.0.1, F1.0.1, F1.0.2, F1.0.3, F1.0.4, F1.0.5, F1.0.6, F1.0.7, F1.0.8, F5.0.1, E0.1.1, E0.1.2, E0.2.2, E1.3.9, E1.4.2, E1.4.4, E1.4.6, E1.4.8, E1.4.9, E1.5.1, E1.5.3, E1.5.5, E1.5.7, E4.5.4, E5.6.2, E5.6.3, E5.6.5, E5.6.6, E6.6.2, G0.1.2-A, G0.1.1-A, C1.1.2-A, C1.2.2-A, C1.3.2-A, C1.3.4-A, C3.1.1-A, S1.1.8-A, F1.0.7-A, F1.0.8-A, E1.4.8-A, E1.5.7-A, G0.1.1-B, C1.1.1-A, C1.1.2-B, C1.2.1-A, C1.2.2-B, C1.3.1-A, C1.3.2-B, C1.3.3-A, C1.3.4-B, C3.1.1-B, S1.1.2-A, F1.0.1-A, F1.0.2-A, E1.4.2-A, E1.5.1-A, G0.1.1-C, C1.1.1-B, C1.1.2-C, C1.2.1-B, C1.2.2-C, C3.1.1-C, G0.1.1-D, G0.1.2-D, C1.1.2-D, C1.2.2-D, C1.3.2-D, C1.3.4-D, C3.1.1-D, G0.1.1-E, G0.1.2-E, C1.1.1-C, C1.1.2-E, C1.2.1-C, C1.2.2-E, C1.3.1-C, C1.3.2-E, C1.3.3-C, C1.3.4-E, C3.1.1-E, G0.1.1-F, G0.1.2-F, F1.0.3-A, G0.1.1-G, G0.1.2-G, C1.3.1-B, C1.3.2-C, C1.3.3-B and C1.3.4-C: Delete these sheets in their entirety as originally issued and substitute the attached revised like-numbered sheets, dated 10/15/04.

AMENDMENT NO. 0007 TO RFP W912DR-04-R-0062
EFFECTIVE NOV 10, 2004

11) General: Add the attached new SheetsC1.1.2-F, C1.1.2-G, C1.1.2-H, C1.1.2-I, C1.1.2-J, C1.1.2-K, C.1.2.2F, C1.2.2-G, C1.2.2-H, C1.2.2-I, C1.2.2-J, C1.2.2-K, C1.3.1-D, C1.3.1-E, C1.3.1-F, C1.3.1-B, C1.3.1-G, C1.3.2-C, C1.3.2-F, C1.3.2-G, C1.3.2-H, C1.3.2-I, C1.3.2-J, C1.3.2-K, C1.3.3-D, C1.3.3-E, C1.3.3-F, C1.3.3-G, C1.3.4-F, C1.3.4-G, C1.3.4-H, C1.3.4-I, C1.3.4-J, C1.3.4-K, C3.3.1-A, F1.0.1-B, F1.0.2-B, F1.03.-A, F1.0.4-A, F1.0.5-A, F1.0.6-A, F1.0.7-B, F1.0.8-B, F5.0.1-A, M4.0.3-A, G0.1.1-H, G0.1.2-H, F1.0.1-C, F1.0.2-C, F1.0.7-C, F1.0.8-C, G0.1.1-J, G0.1.2-J, G0.1.1-K, G0.1.2-K, G0.1.1-L, and G0.1.2-L, dated 10/15/04, to the drawings.

12) Sheet A3.1.0, Detail 4/A3.1.0: Revise this detail as shown on attached Sketch SKE-9, dated 10/15/04.

13) Sheet A1.3.0, Detail 7/A1.3.0: Revise this detail as shown on attached Sketch SKE-8, dated 10/15/04.

14) Sheet A2.1.0, Detail 1/A2.1.0, 2/A2.1.0: Revise detail reference “9/A7.1.0” to “13/A3.1.4.”

15) Sheet A2.1.0A, Detail 1/A2.1.0A, 2/A2.1.0A: Revise detail reference “9/A7.1.0” to “13/A3.1.4.”

16) Sheet A2.1.0B, Detail 1/A2.1.0A, 2/A2.1.0A: Revise detail reference “9/A7.1.0” to “13/A3.1.4.”

17) Sheet A4.1.0, Details 3/A4.1.0 & 4/A4.1.0: Add reference to Details 8/A3.1.4 and 12/A3.1.4.

18) Sheet A4.1.1, Detail 4/A4.1.1: Delete detail in its entirety.

19) Sheet A5.1.0, Detail 8/A5.1.0: Revise this detail as shown on attached Sketch SKE-7, dated 10/15/04.

20) Sheet A5.1.1, Detail11/A5.1.1: Change the number of panels on the dimension line from 6 panels @ 2438 to 5 panels @ 2438.

AMENDMENT NO. 0007 TO RFP W912DR-04-R-0062
EFFECTIVE NOV 10, 2004

ATTACHMENTS:

1) Revised Price Schedule, dated Nov 08, 2004.

2) Revised Section 11161, dated Nov 08, 2004.

3) Sketches SKE-7, SKE-8 and SKE-9, dated 10/15/04

4) Revise Sheets: See list above.

5) New Sheets: See list above.

PRICE SCHEDULE

Item No.	Description	Estimated Quantity	Unit	Price	Amount

Attachment to accompany Amendment No. 0006 to RFP W912DR-04-R-0062, revised Nov 08, 2004

BASE BID ITEMS

0001	All costs in connection with the construction of the General Purpose Warehouse between grids A and G, from grid 1 thru 31 (exclusive of grids 7 and 32), including all site work, complete as shown on drawings and specified, but exclusive of work covered under Base Bid Items 0002 through 0008, and Optional Bid Items 0009 through 0021 below.	---	JOB	LS	$_____
0002	All costs in connection with the removal and containerizing of groundwater encountered during excavation, including provision and maintenance of a clean on-site 38,000 liter Baker tank, complete as specified.	---	JOB	LS	$_____
0003	All costs in connection with the sampling and analysis of groundwater for disposal purposes, complete as specified.	10	SAMPLE	$_____	$_____
0004	All costs in connection for the permitting, manifesting, transferring, transporting, treatment and disposal of contaminated groundwater encountered during excavation, complete as specified.	10,000	LITER	$_____	$_____
0005	All costs in connection with the steam cleaning of contaminated Baker tank and confirming clean with wipe samples, complete as specified.	5	EA.	$_____	$_____
0006	All costs in connection with the permitting, manifesting, transferring, transporting, treatment and disposal of Baker tank sludge or residue, complete as specified.	1,000	KG	$_____	$_____

PRICE SCHEDULE

Item No.	Description	Estimated Quantity	Unit	Price	Amount
0007	All costs in connection with subgrade stabilization consisting of overexcavation, disposal and stabilization of soft unstable subgrade soils beneath exterior pavements and pads, and interior pavements and slabs, complete as shown on drawings and specified (Payment Item No. 02722-1 as specified in Section 02722.).	5,000	SM	$_____	$_____
0008	All costs in connection with replacement of unstable materials beneath wall footing excavations (deeper than elevation 107.9 meters), including overexcavation, disposal and stabilization of soft unstable subgrade soils beneath wall footing excavations deeper than elevation 107.9 meters, complete as shown on drawings and specified (Payment Item No. 02315-1 as specified in Section 02315.)	80	CM	$_____	$_____

TOTAL ESTIMATED BASE BID AMOUNT $_____

PRICE SCHEDULE

Item No.	Description	Estimated Quantity	Unit	Price	Amount
	OPTIONAL BID ITEMS				
0009	All costs in connection with the construction of the Air Line of Communication (ALOC) equipment including scissors lifts described in Specification Section 11162, and related weigh scales and controls, complete as shown on drawings and specified. Pits, power, conduits and pullboxes are included in Base Bid Item 0001.	---	JOB	LS	$_____
0010	All costs in connection with the construction of the General Purpose Warehouse Card Access Security System including CASS cabling and electrical connections, complete as shown on drawings and specified. Empty conduits with pull strings, J boxes are included in Base Bid Item 0001.	---	JOB	LS	$_____
0011	All costs in connection with the reconstruction of "O" Avenue from 2nd Street to 3rd Street including associated demolition, grading, paving, curbing, and utility modifications, complete as shown on drawings and specified.	---	JOB	LS	$_____
0012	Warehouse Option A. All costs in connection with the construction of the additional structural bay between Grids A and G, from Grid 31 to Grid 32, including associated loading dock and equipment, and floor finish at dock door, sitework, paving, foundations, roof framing, mechanical and electrical systems complete as shown on drawings and specified.	---	JOB	LS	$_____

PRICE SCHEDULE

Item No.	Description	Estimated Quantity	Unit	Price	Amount
0013	Warehouse Option B. All costs in connection with the construction of the additional structural bay between Grids A and G, from Grid 7 to Grid 8, including associated loading dock and equipment, and floor finish at dock door, sitework, paving, foundations, roof framing, mechanical and electrical systems complete as shown on drawings and specified.	---	JOB	LS	$_____
0014	All costs in connection with the construction of Electrical Duct Bank from Primary Power manhole for Building located near Administration Annex to Primary Power manhole located at 2nd Street, complete as shown on drawings and specified.	---	JOB	LS	$_____
0015	All costs in connection with the modifications to Buildings 5 & 6 including associated grading, paving, temporary docks, light fixtures, devices, and connection to existing power complete as shown on drawings and specified.	---	JOB	LS	$_____
0016	All costs in connection with construction of floor hardener at warehouse slab between grids A and G, from grid 1 thru 31 (exclusive of grids 7 and 32), complete as specified in Section 03300.	---	JOB	LS	$_____
0017	All costs in connection with construction of floor hardener at warehouse slab between grids A and G, from grid 31 thru 32 (Warehouse Option A) complete as specified in Section 03300.	---	JOB	LS	$_____

PRICE SCHEDULE

Item No.	Description	Estimated Quantity	Unit	Price	Amount
0018	All costs in connection with construction of floor hardener at warehouse slab between grids A and G, from grid 7 thru 8 (Warehouse Option B) complete as specified in Section 03300.	---	JOB	LS	$_____
0019	All costs in connection with construction of Pump House & Fire Loop, including any resulting modifications to the service risers and interior fire suppression system between grids A and G, from grid 1 thru 31 (exclusive of grids 7 and 32) complete as shown on drawings and specified.	---	JOB	LS	$_____
0020	All costs in connection with modifications to the service risers and interior fire suppression system between grids A and G, from grid 31 thru 32 (Warehouse Option A) resulting from the Pump House & Loop option complete as shown on drawings and specified.	---	JOB	LS	$_____
0021	All costs in connection with modifications to the service risers and interior fire suppression system between grids A and G, from grid 7 thru 8 (Warehouse Option B) resulting from the Pump House & Loop option complete as shown on drawings and specified.	---	JOB	LS	$_____

TOTAL ESTIMATED BASE AND OPTIONAL BID AMOUNT $_____

NOTES TO OFFERORS

Offerors must quote on all items including Optional Items. Failure to quote on all items may be cause for rejection of the proposal.

Optional Items may be exercised at any time after contract award within the calendar days specified below. The Contracting Officer may exercise the Optional Items by written notice to the Contractor, postmarked within the period specified. The Government may exercise any, all or none of the listed Optional Items in any order.

No additional time for contract completion will be allowed when an Optional Item is exercised.

Optional Item Number	Calendar Days After Contract Award
0009	365
0010	365
0011	90
0012	90
0013	90
0014	90
0015	90
0016	90
0017	90
0018	90
0019	90
0020	90
0021	90

EVALUATION OF OPTIONS: Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interest, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirements. Evaluation of options will not obligate the Government to exercise the option(s). (FAR 52.217-5 JUL 1990)

SECTION 11161

DOCK LEVELERS
03/03

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NEMA ICS 2	(2000) Industrial Controls and Systems: Controllers, Contactors, and Overload Relays Rated 600 Volts
NEMA ICS 6	(1993; R 2001) Industrial Control and Systems: Enclosures
NEMA MG 1	(1998) Motors and Generators

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(2002) National Electrical Code

UNDERWRITERS LABORATORIES (UL)

UL 943	(1993; Rev Thru Apr 2002) Ground-Fault Circuit-Interrupters

1.2 DEFINITIONS

1.2.1 Industrial Dock Leveler

A manufactured structure designed to span and compensate space and height differentials between a loading dock and freight carrier to facilitate safe, efficient, freight transfer.

1.2.2 Adjustable Loading Ramp

Synonym for Fixed Type Industrial Dock Leveler.

1.2.3 Fixed Type Industrial Dock Leveler

A dock leveler that is permanently affixed to the dock structure, and usually incorporating an electro-hydraulic system to position the dock leveler with respect to the freight carrier at the lip end while being fixed at the opposite hinged end.

1.2.4 Velocity Fuse

A valve or similar device that goes into the hydraulic line. If the dock leveler becomes inadvertently or accidentally unsupported, this fuse will freeze the movement of dock leveler within 100 mm of the dock leveler

original position.

1.2.5 Carrier

A wheeled, enclosed trailer or container that, when attached to a heavy-duty truck or van, is used to carry bulk freight over long distances.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only or as otherwise designated. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Detail Drawings; G-AR

Drawings depicting dimensions, tolerances, surface finishes, hardnesses, flush edge angles, method of mounting and anchoring, and light communication wiring diagram.

SD-03 Product Data

Loading Dock Levelers; G-AR
Dock Bumpers; G-AR

Dock Seals; G-AR
Light Communication System; G-AR

Data including a complete list of equipment and materials, manufacturer's descriptive and technical literature, performance charts and curves, catalog cuts, and installation instructions.

SD-10 Operation and Maintenance Data

Operating and Maintenance Instructions; G-AR

Six copies of operation and six copies of maintenance manuals for the equipment furnished. One complete set shall be furnished prior to performance testing and the remainder shall be furnished upon acceptance. Operating manuals shall detail the step-by-step procedures required for system startup, operation, and shutdown. Operating manuals shall include the manufacturer's name, model number, parts list, and brief description of all equipment and their basic operating features. Maintenance manuals shall list routine maintenance procedures, possible breakdowns and repairs, and troubleshooting guides. Maintenance manuals shall include piping and equipment layout and simplified wiring and control diagrams of the system as installed. After approval of the detail drawings, and not later than 3 months prior to the date of beneficial occupancy, spare parts data for each different item of material and equipment specified are required. The data shall include a complete list of parts and supplies, with current unit prices and source of supply and a list of the parts recommended by the manufacturer to be replaced after 1 and 3 years of service.

Loading Dock Levelers; G-AR

Submit Data Package 3 for Dock Leveler in accordance with Section 01781 OPERATION AND MAINTENANCE DATA.

1.4 GENERAL REQUIREMENTS

Materials and equipment shall be the standard products of a manufacturer regularly engaged in the manufacture of the products and shall essentially duplicate items that have been in satisfactory use for at least 2 years prior to bid opening. Equipment shall be supported by a service organization that is, in the opinion of the Contracting Officer, reasonably convenient to the site.

1.5 NAMEPLATE

Attach corrosion-resistant metal plate securely and legibly on the exterior surface of the dock leveler. Include the following information indented or embossed on the plate:

a. Description of the equipment: Describe procedures for operating and services equipment, and warnings or cautions of hazardous procedures.

b. Name of the manufacturer.

c. Serial and model number.

d. Rated capacity in kilograms .

e. Shipping weight.

f. Date of manufacture (month and year).

1.6 DELIVERY AND STORAGE

Matchmark and tag parts which are disassembled for shipment with metal tags. Provide waterproofed tags and markings. Equipment delivered and placed in storage shall be stored with protection from the weather, humidity and temperature variation, dirt and dust, or other contaminants.

1.7 MANUFACTURER'S REPRESENTATIVE

Furnish services of Fixed Type Industrial Dock Leveler technicians, experienced in installation and operation of the type of system being provided, to supervise installation, testing, adjustment of system, and instruction to Government personnel.

1.8 QUALITY ASSURANCE

1.8.1 Detail Drawings

Submit drawings with complete wiring, schematic diagrams, and any other details required to demonstrate that the system has been coordinated and will properly function as a unit. Detail drawings shall show proposed layout and anchorage of equipment and appurtenances. Detail drawings shall show the concrete pit details including flush edge angles, dock bumpers, and sloped pit bottom; method of mounting and anchoring; and location of

control stations and disconnect switches.

1.8.2 Verification of Dimensions

After becoming familiar with all details of the work, the Contractor shall verify all dimensions in the field, and shall advise the Contracting Officer of any discrepancy before performing the work.

PART 2 PRODUCTS

2.1 LOADING DOCK LEVELERS

Loading dock levelers shall be permanent type, and shall have minimum performance characteristics based on the following:

a. Service Period:
(1) Number of shift operations shall be 1.
(2) Maximum number of trailers serviced per shift per dock opening shall be 5.
(3) Maximum number of days of operation per week shall be 5.

b. Fork Lift Loads:
(1) Leveler shall be designed to accommodate 4 wheel fork trucks.
(2) Leveler shall be designed to handle 5,670 kilogram gross static load.
(3) Load leveler design shall be based on number of cycles per loading/unloading operation per truck and shall be 32.

Loading dock leveler shall be electro-hydraulic type with safety lip and electric motor and hydraulic pump operating a hydraulic cylinder that adjusts dock leveler board position. Make provision for maintenance access to understructure and lifting mechanism. Provide steel tread plate lip and platform, hinged and supported from beneath by steel framework that contains lifting, positioning, and lowering assembly. Ensure that platform surface is flush with surrounding floor surface of loading dock when not in service. Provide OSHA-complaint integral positive restraint when leveler is in maintenance position.

2.1.1 Environmental Requirements

Design, fabricate, and finish loading ramp to permit washing with water and detergents, and operating in an ambient temperature from minus 17 degrees C to 43 degrees C .

2.1.2 Dock Leveler Height Adjustment

Provide a ramp whose incline can be adjusted to suit the height of the freight carrier. Allow the loading ramp a minimum of 660 mm of vertical adjustment. Height adjustments shall be divided 355 mm above and 305 mm below the dock level to provide coverage between 915 mm and 1575 mm above grade.

2.1.3 Dock Leveler Extension and Retraction

Extend non-fixed end of the dock leveler from a retracted position behind the line of the loading dock platform bumpers to at least 406 mm beyond the forward edge of the dock platform bumpers so as to rest on the bed of the freight carrier. The difference in length of the platform from its fully retracted position to its fully extended position shall be

practically constant throughout the ramp, including the ramp extension.

2.1.4 Loading Ramp Compensation

Provide automatic compensation with ramp platform loaded or unloaded for:

2.1.4.1 Freight Carrier Out of Level

Out of level freight carrier bed condition (difference in elevation from side to side at the rear of the carrier bed): Allow a minimum correction of 25 mm for each 450 mm and maximum 100 mm correction of ramp width over the width of the ramp. Ensure the rear edge of the ramp parallel with the rear of the frame in order to prevent tripping or be a pinching hazard.

2.1.4.2 Loading and Unloading of the Freight Carrier

Electro-hydraulic dock levelers shall provide full working range free-float to automatically compensate for varying trailer bed heights.When the lip is extended so as to rest on the bed of motor truck or trailer, provide compensation of 100 mm for carrier spring deflection so that contact will be maintained between lip and carrier bed.

2.1.5 Safety Devices

2.1.5.1 Electro-Hydraulic System

Provide velocity fuse, ballcheck valve, or other device to automatically prevent a drop of more than 100 mm of the lip, should the freight carrier move away from the dock leaving the lip unsupported. Activate this device with a static, dynamic, or impact load exceeding 10 percent of the rated load on the lip and ramp.

2.1.5.2 Safety Lip

Provide a steel barrier safety lip to prevent vacant dock drop-off protection that is an integral part of the leveler and is positioned automatically when the leveler returns to a stored position. The barrier shall move out of the way to provide unobstructed end-load access.

2.1.5.3 Dock Bumpers

Provide ramp and load dock face with laminated rubber, tire-fabric, or equivalent dock bumpers recommended by the dock leveler manufacturer.

2.1.6 Rated Capacity

In conformance with ANSI MH30.1(2000) For the Safety, Performance and Testing of Dock Leveling Devices Specifications.

2.1.7 Ramp Load Carrying Surface

The live load carrying surface of the ramp shall be 2150 mm plus or minus 75 mm wide and 3400 mm plus or minus 225 mm long with the dock leveler lip retracted.

2.2 OPERATION

2.2.1 Electro-Hydraulic Control

Provide each dock leveler with a multiple pushbutton station to activate motor, pump, and valves.

2.2.1.1 Pushbutton

Heavy-duty dust tight and oil tight type rated in accordance with NEMA ICS 2, Part ICS2-216 for alternating current. To prevent accidental operation and damage, ensure each button to be recessed in its station or be protected by a peripheral collar (ring) or shroud. Indelibly identify each pushbutton by means of cast or etched letters on the station. Provide emergency "STOP" button of momentary type with manual reset or continuous pressing (constant pressure) type. This stop button shall stop all dock leveler movement, regardless of the position of the ramp or lip at the time the "STOP" button is depressed.

2.2.1.2 Hinged Lip Ramp Movement

Apply continuous pressure on the "UP" button to raise the loading ramp, descend the lip onto the bed of the freight carrier. If lip has been fully extended and placed on the trailer bid once the freight carrier has departed, the lip shall automatically fall or retract to its down position, and the ramp shall return to its stored dock level position. The ramp, in its stored position, shall have the capability of being lowered below dock level without fully extending the lip of the ramp to service truck end loads which may be lower than loading dock surface position. Allow 4 to 6 seconds to fully extend or retract the lip. When continuous pressure is applied to the "UP" button and the loading ramp is raising, by applying continuous pressure to the "STOP" button, the ramp will stop its movement and the lip shall fully extend.

2.2.1.3 Dock Door Interlock

Provide limit switches at dock doors with power operated dock levelers to detect door closed and door fully open conditions, connect with leveler controller to prevent operation of leveler when door is closed and allow operation of leveler when door is fully open.

2.3 CONSTRUCTION AND MATERIALS

Construct all load carrying parts of forged or welded steel.

2.3.1 Structure

The entire live load carrying surface of the ramp and rear attachment shall be not less than 6 mm thick, 350 MPa minimum yield strength, low alloy, nonskid steel tread plate. Provide minimum 16 mm vertical projections on the live load carrying surface. Bevel the lip or ramp extension. Design load carrying surfaces to permit free movement of powered hand or platform trucks, low lift pallet trucks, and fork lift trucks. Fabricate lip hinge of not less than 6 mm wall seamless steel tubing.

2.3.2 Toe Guards or Skirts

Provide full operating range toe guards, sides or edges, except front and rear edges, of the ramps which rise above the surrounding loading dock with

sheet carbon steel skirts or toe guards of minimum 1.8 mm nominal thickness. Toe guards or skirts shall be smooth faced and mounted flush with the edges of the ramp surface. Ensure sufficient depth of toe guards or skirts to protect the full operating range of dock travel. Ensure the construction capable of resisting a minimum lateral force of 4.5 kg with a maximum deflection of 13 mm .

2.4 ELECTRO-HYDRAULIC SYSTEM

Provide a separate and complete system for each dock leveler. Include an electric motor, motor drive, hydraulic pump, hydraulic ram, pressure relief valve, fluid reservoir, strainer, filter, hydraulic control-valve cylinders, hose, piping, fittings, and hydraulic fluid. Incorporate a means for filling and draining hydraulic fluid. Design cylinders, pump, and control valves to withstand not less than 150 percent of the design operating pressure. Provide hydraulic hose, fittings, pipe, and tubing with working pressures based upon a minimum 4 to 1 safety factor of bursting pressure.

2.5 ELECTRICAL REQUIREMENTS

NFPA 70, NEMA ICS 2, NEMA ICS 6 and NEMA MG 1. Electrical characteristics shall be 460 volt, three phase, 60 Hz alternating current power supply. Provide all electrical equipment on the loading ramp. Provide interconnecting wiring for components of packaged equipment as an integral part of the equipment. Include motor, switches, junction box, conduit, wiring cables, panel enclosed control station, motor controller, heater coils, timer, transformer, terminal blocks, and fuses. Provide NEMA ICS 6, Type 4, electrical enclosures. Color code all wiring. Electrical work shall conform to Section 16415A ELECTRICAL WORK, INTERIOR.

2.5.1 Motor

Conform to NEMA MG 1 and continuous duty or 60-minute time rated, industrial type, single speed rated for operating conditions. Provide electrical insulation systems conforming to NEMA MG 1, Class B. Provide permanently lubricated antifriction ball or roller bearings. Each electrohydraulic loading dock leveler shall be equipped with a totally enclosed non-ventilated (TENV) squirrel cage induction electric motor.

2.5.2 Controls

NEMA ICS 2, size 0 controller for heavy industrial service. Provide an electrically operated, full magnetic, nonreversing type controller for the motor.

2.5.3 Transformer

Totally enclosed, self-cooled, dry type. Feed the transformer from the load side of the main disconnecting device. Incorporate circuit breakers with ground fault interrupting protection conforming to UL 943.

2.6 ACCESSORIES

2.6.1 Dock Seals

Foam dock seals with a fixed head pad over side pads. Side pads shall be beveled or adjustable head curtain. Provide base layer of 22 ounce vinyl fabric with armor pleat 40 ounce vinyl fabric on the side pads and ends of

the head pad or head curtain, 200 mm nominal exposure. Size dock seal to fit door opening, grade approach (level, incline, decline) and configuration of tractor-trailer trucks to be serviced.

2.6.2 Dock Bumpers

Provide bumpers capable of sustaining repeated impacts from trucks or trailers without damage to the dock, dock levelers, or bumpers.

2.6.3 Light Communication System

Manually operated inside and outside light package with inside and outside signs, UL listed. Clearly visible green and red lights in polypropylene housing. Electrical characteristics shall be 120 volt, single phase, 60 Hertz, 5 amps minimum. Manually control switch changes between green and red from inside the building; middle switch position provides red-red safety condition. Lights at sectional overhead doors shall be interconnected to door operation. Provide one inside and two outside caution signs.

PART 3 EXECUTION

3.1 INSTALLATION

Install and adjust in accordance with NFPA 70, and manufacturer's approved detail drawings. Install controls so operator can see dock leveler while manipulating controls.

3.1.1 Pit

Do not pour the pit for the adjustable loading ramp until the design and detail drawings have been approved. If the pit size is limited by construction conditions involved, alter the dock leveler equipment to fit the pit. Clearly indicate these alterations or modifications on the drawings. Check and verify appropriate measurements at the building. The clearances between the ramp and pit shall not exceed 50 mm .

3.1.2 Miscellaneous Metalwork

Section 05500A METAL FABRICATIONS.

3.2 CLEANING, TREATMENT AND PAINTING

In accordance with manufacturer's standard practice, shop clean, treat and paint ferrous surfaces including platform, lip, frame, springs, motor,pump, cylinders, valves, and any other non-cadmium plated or non-galvanized surface (but not including bearings, gear contact surfaces, parts protected by lubrication, or other surfaces not usually painted or coated). Ferrous surfaces shall be cleaned and the base metal protected with an application of Rustoleum paint with a thickness of 0.062 to 0.075 mm followed by a final coat of standard primer with a thickness of 0.062 to 0.075 mm . Nonferrous parts shall be protected against corrosion as necessary. Provide slip-resistant, abrasive topcoat at platform and lip.

3.2.1 Workmanship

Conduct field touch-up work as to avoid damaging other surfaces and public property in the area. Do not apply field applied paint during foggy, damp, rainy weather, or the ambient temperatures below 7 degrees C and above 35

degrees C .

3.2.2 Dissimilar Metals Protection

Insulate control surfaces by electrolytically inactive materials.

3.2.3 Finish Coat Color

Brilliant yellow and black. Paint 75 mm wide black and yellow diagonal stripes on all vertical surfaces of pit, skirts, and platform edges exposed above adjacent surfaces at any ramp position. Paint similar stripes on top of ramp surfaces in 150 mm wide band around outside edges (except for fixed edge).

3.3 FIELD TESTS

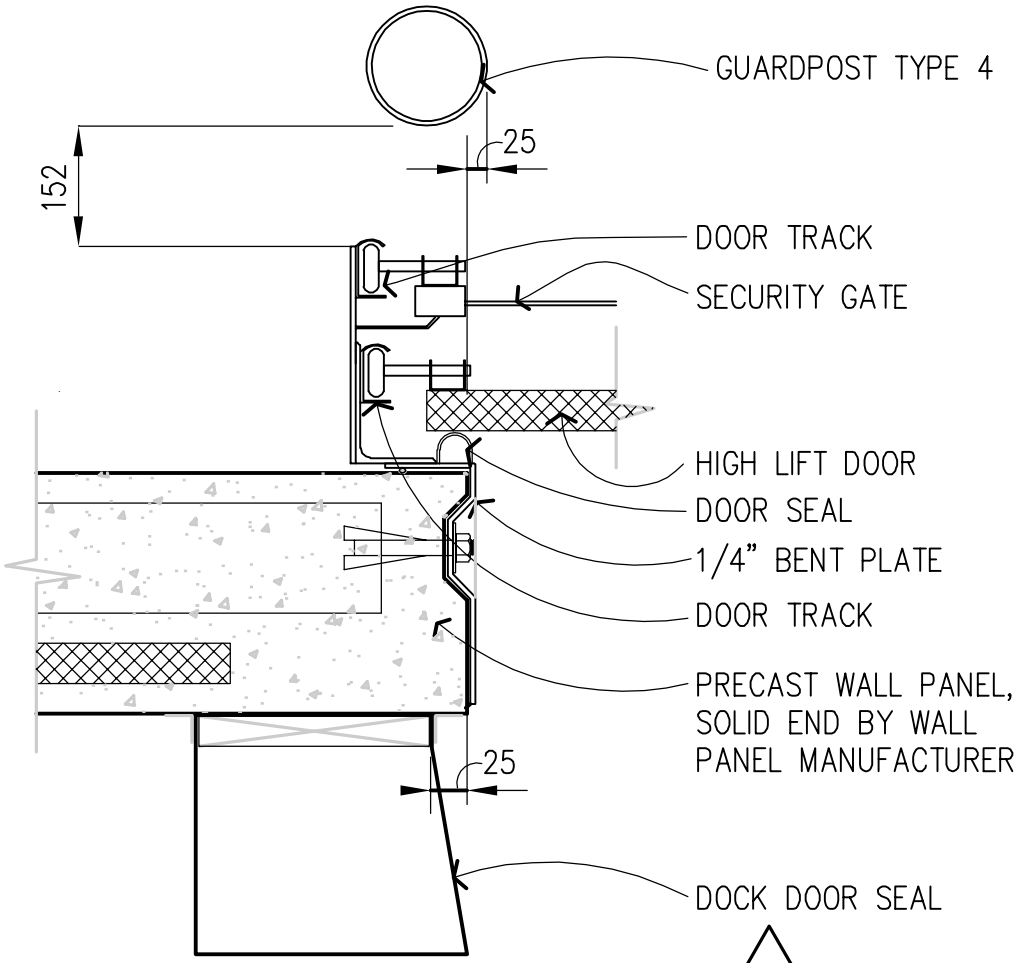
3.3.1 Acceptance Tests

Perform an acceptance test in the presence of the dock leveler manufacturer and the Contracting Officer. Conduct operation of the equipment through all of its motions and operations.

3.4 INSTRUCTION TO GOVERNMENT PERSONNEL

Upon completion of the work and at a time designated by the Contracting Officer, the services of a competent Technician regularly employed or authorized by the manufacturer of the dock leveler shall be provided for instructing Government personnel in the proper operation, maintenance, safety, and emergency procedures of the dock leveler. The period of instruction shall be not less than 4 hours. The training shall be conducted at the job site or at any other location mutually satisfactory to the Government and the Contractor. The Contractor shall submit Operating and Maintenance Instructions as specified in the Submittals paragraph.

-- End of Section --



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Baltimore District

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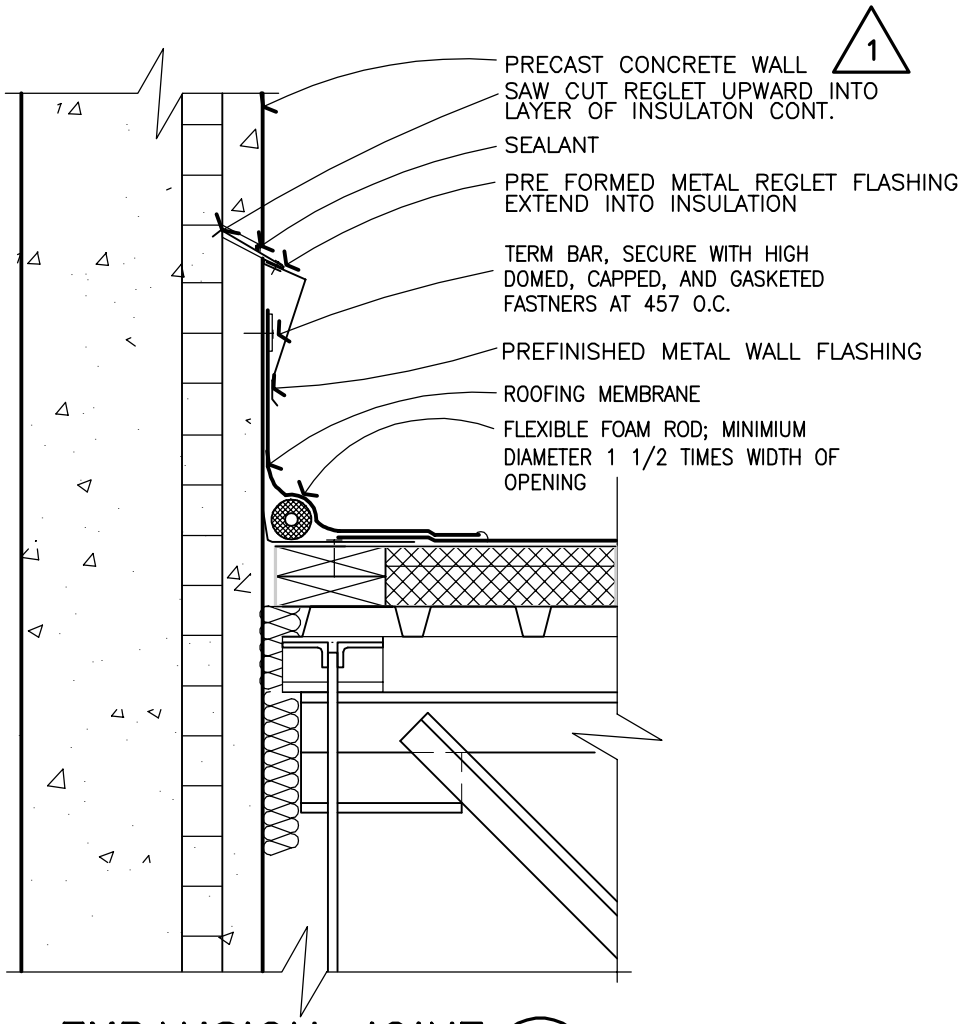

EXPANSION JOINT 7

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US Army Corps of Engineers
Baltimore District

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DDC/DDSP GENERAL PURPOSE WAREHOUSE
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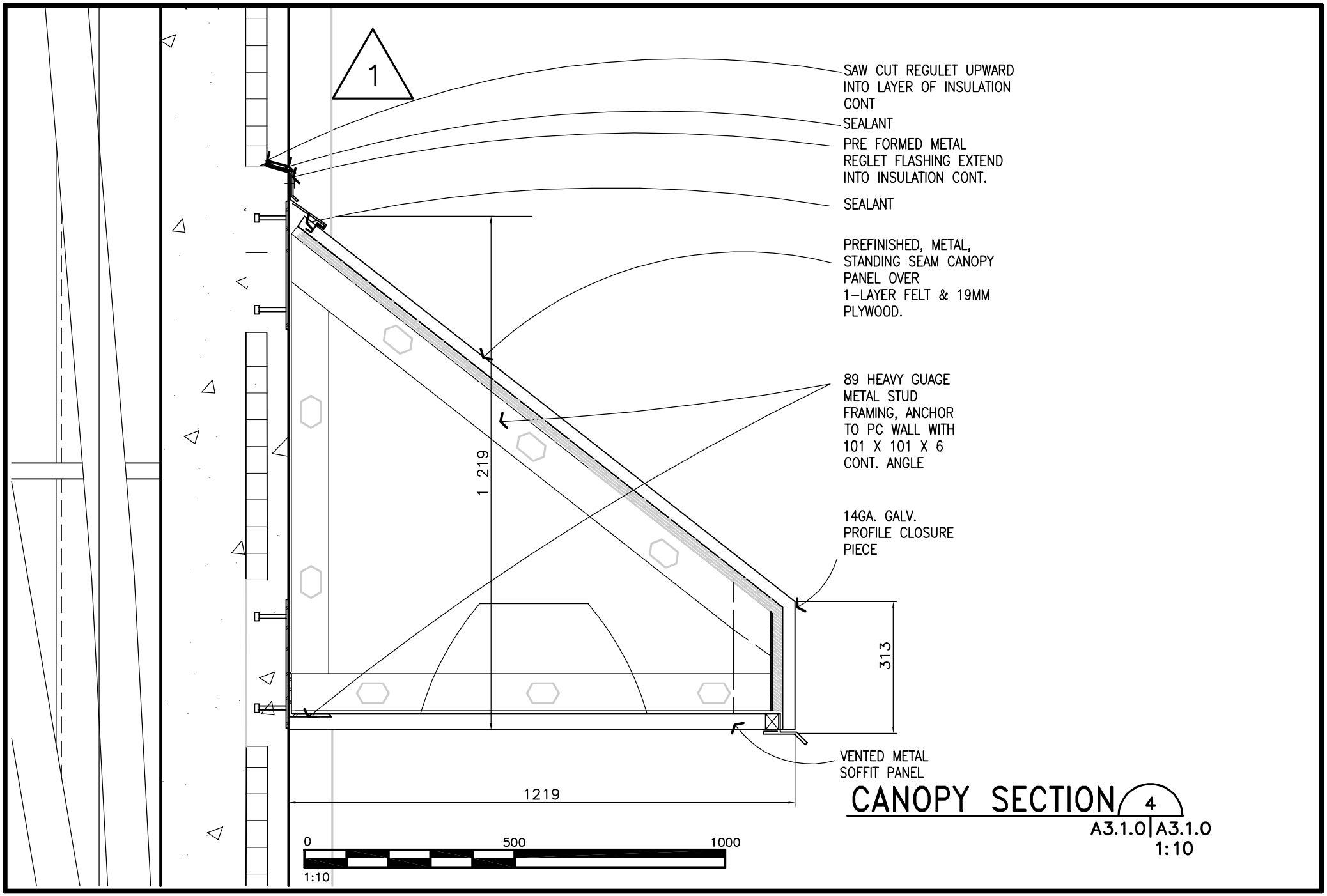

CANOPY SECTION 4

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